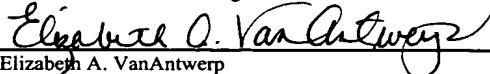


NEW APPLICATION TRANSMITTAL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 16, 2003 under "EXPRESS MAIL" mailing label number EL 975170277 US.


Elizabeth A. VanAntwerp

22386 U.S. PTO
107687061
10/16/03



Transmitted herewith for filing is the patent application of:

Inventor 1: Takao OHNISHI
Address: c/o NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya-City, Aichi-Prefecture 467-8530
Japan

Inventor 2: Toshikazu HIROTA
Address: c/o NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya-City, Aichi-Prefecture 467-8530
Japan

Title: LIQUID INJECTION APPARATUS

1. Papers enclosed

A. Required for filing date under 37 CFR 1.53(b) (Regular) are:

71 Page(s) of Specification
4 Page(s) of Claims
1 Page(s) of Abstract
22 Sheets of Formal Drawings (Figs. 1-24)

B. Other Papers Enclosed

- A Patent Application Bibliographic Data Sheet
- A Preliminary Amendment
- A combined Declaration and Power of Attorney
- A Submission of Certified Copies of Priority Documents and certified copies of:

<u>Country</u>	<u>Application Number</u>	<u>Filing Date</u>
Japan	2002-304922	October 18, 2002
Japan	2003-75809	March 19, 2003

- An Information Disclosure Statement
- PTO Form-1449
- An Assignment Transmittal and Assignment of the invention to:

NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya-City, Aichi-Prefecture 467-8530
Japan

2. The correspondence address for this application is: Customer No. 025191

Telephone: (315) 233-8300 Electronic Mail: lvanantwerp@burrandbrown.com
 Facsimile: (315) 233-8320

3. Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)

- [] Applicants hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.
- [] Applicants hereby request that the attached application **not** be published under 35 U.S.C. 122(b).

4. The filing fee has been calculated as shown below:

Basic Filing fee (37 CFR §1.16(a))				\$ 770.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	11 - 20 =	0	× \$ 18.00	
Independent Claims	1 - 3 =	0	× \$ 86.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00
TOTAL OF ABOVE CALCULATIONS =				\$ 770.00
[] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				
SUBTOTAL =				\$ 770.00
[] Fee for processing an application filed with a specification in a non-English language (37 C.F.R. 1.17(i) and 1.52(d)--\$130.00)				
[x] Assignment Fee (37 CFR §1.21(h)--\$40.00)				\$ 40.00
TOTAL FEES DUE =				\$ 810.00

5. Payment of Fees and Authorization to Charge Additional Fees or Credit Overpayment

- A check in the amount of \$810.00 is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446. A duplicate copy of this sheet is enclosed.
- Any additional filing fees required under 37 CFR 1.16.
- Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Stephen P. Burr
Reg. No. 32,970

October 16, 2003
Date

SPB/eav

BURR & BROWN
P.O. Box 7068
Syracuse, NY 13261-7068

Customer No.: 025191
Telephone: (315) 233-8300
Facsimile: (315) 233-8320